

REMARKS

The Applicants respectfully request reconsideration in view of the following remarks and amendments. Claims 1, 11, 12, and 13 are amended. Claims 2-7 and 14-16 are canceled. Accordingly, claims 1 and 8-13 are pending in the application.

I. Objections to the Specification

The Examiner has objected to the Specification for informalities. In response, the Applicants have amended the paragraph on page 13, lines 2-8, to replace the term “640” with “540” to correct a typographical error as suggested by the Examiner. In addition, the paragraph on 13, line 27, to page 14, line 6, has been amended to replace the term “612” with “512” to correct the typographical error as suggested by the Examiner. Accordingly, the Applicants respectfully request reconsideration and withdrawal of the objection to the Specification.

II. Objections to the Claims

The Examiner has objected to claims 4, 6, and 8 for informalities. Claims 4 and 6 are canceled and, therefore, the objection is moot. In regard to claim 8, the Applicants have amended the claim to replace the phrase “switches based on the PC camera signal” with “second path of the USB lines by controlling of the control unit” to clarify the claim language. Accordingly, in light of the amendment of claim 8, the Applicants respectfully request reconsideration and withdrawal of the objection to claim 8.

III. Claims Rejected Under 35 U.S.C. § 102

Claims 1-10 and 12-16 stand rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent Publication 2002/0113861 issued to Lim et al. (hereinafter “Lim”). To establish an anticipation rejection the Examiner must show that the cited reference teaches each element of a claim.

The present invention relates to a mobile terminal having a function of a personal computer (PC) camera (see Specification, paragraph [0001]). The mobile terminal of the present invention transmits image data to the personal computer through USB lines. In a state that the mobile terminal has connected to the personal computer through USB lines, a user can enjoy

video chatting without using an additional expensive PC camera (see Specification, paragraph [0060]).

In regard to claim 1, Lim fails to teach the limitations of “a first switch for allowing the data stored in the memory to be transmitted to the personal computer through *a first path of the USB lines*,” (emphasis added) and “a second switch for allowing the specific image format data to be transmitted to the personal computer through *a second path of the USB lines*,” (emphasis added) as recited in the claim. In contrast, Lim relates to a remote monitoring apparatus using a mobile videophone (see Lim, paragraph [0003]). The mobile videophone 16 of Lim transmits image data to the personal computer 12 *through wireless internet 14*, rather than “through a first path of the USB lines,” and “through a second path of the USB lines,” as required in the claim (See paragraph [0018]). In other words, the mobile videophone 16 of Lim communicates with the PC 12 through a remote-distance wireless network. Consequently, the mobile terminal of the present invention differs with Lim in view of having PC camera function and using short-distance wire communication (e.g., USB lines) in connecting with the PC.

As an illustration of the differences between Lim and the present invention, the mobile terminal of the present invention has switches that control the D+/D- path of the respective USB lines, and thereby provides independent paths between the personal computer and the mobile terminal, according to the data type. For example, the data stored in memory of mobile terminal may be transmitted to the PC via D+ path of the respective USB lines when the PC link signal is generated, and the specific image format data may be transmitted to the PC via D- path of the respective USB lines when the PC camera signal is generated, (see Specification, paragraph [0021] and [0058]). Consequently, the mobile terminal of the present invention has an advantage that image processing can be performed independently without carrying a load on the call process procedure by setting up a device for processing images by using switches (see Specification, paragraph [0059]).

In contrast, Lim discloses that the controller 100 of a mobile terminal makes the CODEC 102 compress still or moving picture data outputted from the camera unit 104 in the JPEG/MPEG format (see Lim, paragraph [0022]). However, Lim does not disclose the switches providing independent paths between the personal computer and the mobile terminal, according to the data type as required in claim 1. Independent claim 1 includes the elements of the switches providing independent paths between the personal computer and the mobile terminal

according to the data type. In particular, Lim fails to teach the limitations of “a first switch for allowing the data stored in the memory to be transmitted to the personal computer through *a first path of the USB lines*,” (emphasis added) and “a second switch for allowing the specific image format data to be transmitted to the personal computer through *a second path of the USB lines*,” (emphasis added), as recited in claim 1. Therefore, for at least foregoing reasons, Lim fails to teach each element of claim 1. Accordingly, the Applicants respectfully request reconsideration and withdrawal of the rejection of claim 1.

In regard to claims 8-10, these claims depend from base claim 1 and incorporate the limitations thereof. Therefore, for at least the reasons mentioned in connection with claim 1, Lim fails to teach each element of claims 8-10. Accordingly, the Applicants respectfully request reconsideration and withdrawal of the rejection of claims 8-10

In regard to claim 12, this claim recites analogous limitations to those in claim 1. Therefore, for at least the reasons mentioned in connection with claim 1, Lim fails to teach each element of claim 12. Accordingly, the Applicants respectfully request reconsideration and withdrawal of the rejection of claim 12.

In regard to claim 13, this claim depends from base claim 12 and incorporates the limitations thereof. Therefore, for at least the reasons mentioned in connection with claim 12, Lim fails to teach each element of claim 13. Accordingly, the Applicants respectfully request reconsideration and withdrawal of the rejection of claim 13.

In regard to claims 2-7 and 14-16, these claims are canceled. Therefore, the rejection is moot.

IV. Claims Rejected Under 35 U.S.C. § 103

Claim 11 stands rejected under 35 U.S.C. § 103(a) as being obvious over Lim in view of U.S. Patent No. 6,647,254 issued to Chen (hereinafter “Chen”). To establish a *prima facie* case of obviousness: (1) there must be some suggestion or motivation, either in the references themselves or in the knowledge generally available to one of ordinary skill in the art, to modify the reference; (2) there must be a reasonable expectation of success; and (3) the references when combined must teach or suggest all of the claim limitations. See MPEP, § 2142.

In regard to claim 11, this claim depends from base claim 1 and incorporates the limitations thereof. In addition, Chen fails to cure the deficiencies of Lim. The Examiner has not relied upon and the Applicants are unable to discern the portion of Chen that discloses the missing limitations. Therefore, in view of at least the foregoing reasons, Lim in view of Chen fails to teach or suggest each element of claim 11. Accordingly, the Applicants respectfully request reconsideration and withdrawal of the rejection of claim 11.

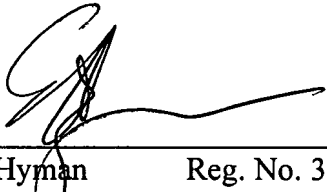
CONCLUSION

In view of the foregoing, it is believed that all claims now pending, namely claims 1 and 8-13, patentably define the subject invention over the prior art of record, and are in condition for allowance and such action is earnestly solicited at the earliest possible date. If the Examiner believes that a telephone conference would be useful in moving the application forward to allowance, the Examiner is encouraged to contact the undersigned at (310) 207 3800.

Respectfully submitted,

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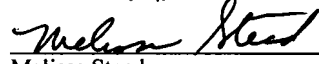
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Melissa Stead

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